

**TIMING RECOVERY AND CROSS TALK PREVENTION IN THE
PRESENCE OF CO-CHANNEL INTERFERENCE**

Abstract of the Disclosure

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A system for reducing or eliminating cross talk resulting from co-channel interference in TDMA communication systems is disclosed. In general, the system may include one or more enhanced mobile stations sending, to an enhanced base station, base station identifying information in a training period that was previously used by mobile units to send pseudotraining information. The base station identifying information may include, but is not limited to, global cell site identification or any portion thereof or local cell site identification or any portion thereof. Upon receipt of information including the appropriate base station identifying information, the enhanced base station may perform enhanced synchronization and reception and correction functions. Conversely, if the enhanced base station does not receive appropriate

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